



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



STEVEN E. CHESTER
DIRECTOR

January 4, 2006

Mr. Ed Carstens, Superintendent
Bridgeport Charter Township Wastewater Plant
4640 Marlea Lane
Bridgeport, Michigan 48722

Dear Mr. Carstens:

SUBJECT: Operating Plan Approval
Bridgeport Charter Township Septage Receiving Facility

Review of the Bridgeport Charter Township Septage Receiving Facility Operating Plan received on August 24, 2005, is complete. The purpose of the review was to ensure that the plan addressed all of the required elements of Part 117, Septage Waste Servicers, Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. The operating plan is approved. The receiving facility must operate in accordance with the approved plan. If a change in operations or conditions is anticipated, please file an amendment to the plan at least thirty days prior to the proposed date for implementation. Please note that this approval is conditioned such that the identified service areas restrict only the disposition of septic tank waste pumped within those areas. Land application of septage pumped from outside the service areas may continue to be land applied to approved land-application sites within the identified boundaries.

If you have any questions regarding this matter, please contact me at the number below.

Sincerely,

Brett A. Wiseley
On-site Wastewater Unit
Drinking Water and Environmental Health Section
Water Bureau
517-241-1452

BAW:DLR

cc: Mr. Bryant J. Wilke, R.S., Saginaw County Health Department
Ms. Linda A. Zmarthie, P.E., Spicer Group
Mr. Richard Falardeau, Water Bureau, DEQ
Mr. Matthew Campbell, Water Bureau, DEQ

OFFICE LOCATIONS
SAGINAW, MI
ST. JOHNS, MI
CARO, MI
DETROIT, MI
MARQUETTE, MI



SAGINAW
230 S. WASHINGTON AVE.
P.O. BOX 1689
SAGINAW, MI 48605
(989) 754-4717
(800) 833-0062
FAX: (989) 754-4440

August 23, 2005

Matt Campbell
Septage Waste Program Coordinator
Water Bureau – Department of Environmental Quality
Constitution Hall, Second Floor – North
P.O. Box 30273
Lansing, MI 48909-7773

RECEIVED
MICH. DEPT. OF ENVIRONMENTAL QUALITY
AUG 24 2005
WATER BUREAU
DWEHS

RE: Septage Receiving Facility Operating Plan
Bridgeport Charter Township Wastewater Treatment Plant, Bridgeport, MI

Mr. Campbell:

On behalf of the Bridgeport Charter Township Wastewater Treatment Plant (WWTP), we have prepared and are submitting a 'Septage Receiving Facility Operating Plan' in order for the WWTP to remain in compliance regarding the Part 117 revisions. This operating plan was developed based on the requirements contained in the MDEQ letter dated June 9, 2005.

In addition to the Operating Plan, enclosed is a 'Notice of Proposed Septage Operating Plan' that was sent to the Saginaw County Public Health Department and to the Bridgeport Township office. The Township will also post this Notice on their web site. Also, the scheduled date of publication for this Notice is August 24, 2005 in the Bridgeport/Birch Run Herald. These notifications have taken place per the requirements contained in the MDEQ letter dated June 9, 2005. A copy of this MDEQ letter is also enclosed with information filled out on page 2 as to the facility name and operator.

If you have any questions, please feel free to call Ed Carstens, WWTP superintendent at 777-2041 or myself at 754-4717 ext. 5160.

Sincerely,

Spicer Group, Inc.

Linda A. Zmarthie, P.E.
Project Engineer

Encl.

Cc: Ed Carstens – Bridgeport WWTP (all attachments)
Spicer File 107491.03

Q:\Proj2003\107491.03\septage plan\letter -mdeq submittal.doc

Principals: Dale K. Deibel, P.E., James J. Cook, Robert R. Eggers, AICP, Ronald B. Hansen, P.E., Mark A. Latsch, P.E., Shawn P. Middleton, P.E., Larry J. Protasiewicz, P.E., Donald R. Scherzer, Jeffrey E. Wood, P.S., Wayne A. Zolniersek, P.E.,

Senior Associates: Charles W. McDonald, Darryll L. Sundberg, P.E.,

Associates: Marshall A. Bilodeau, Peter N. Chapman, P.E., Darrick W. Huff, P.E., Jean M. Inman, P.E., Tim A. Inman, P.E., Roger P. Mahoney, P.S., John E. Olson, P.E.

WWW.SPICERGROUP.COM

**BRIDGEPORT CHARTER TOWNSHIP WASTEWATER TREATMENT PLANT
SEPTAGE RECEIVING FACILITY OPERATING PLAN**

August 15, 2005

The following operating plan is submitted for MDEQ review and approval based on revisions to Part 117 to maintain compliance for this existing receiving facility. The Bridgeport Charter Township Wastewater Treatment Plant (WWTP) has been and will continue to receive domestic septage waste to serve Bridgeport Charter Township residents.

A. Location of Septage Receiving Station

- The 'Septage Tank Unloading Station' is located at the influent headworks of the Bridgeport Charter Township Wastewater Treatment Plant, 4640 Marlea Lane, Bridgeport, MI 48722. This septage receiving station consists of a tank that the septage haulers dump directly into. At a certain level, the tank is allowed to drain to the Influent Chamber where it is mixed with the raw influent sewage entering the WWTP.

B. Hours of Operation

- The facility is open from 7:30 AM to 3:30 PM Monday through Friday.

C. Category of Septage Waste the receiving facility will receive

- Domestic Septage – defined as the septage pumped from home septic tanks, recreational vehicles (RV), cesspool, portable toilet, type III marine sanitation device, or similar storage or treatment works that receives only domestic sewage.

D. Fee Structure Charged to Hauler to Dispose of Septage for Treatment

- \$3.00 for RV tanks from Township residents only.
- \$10.50 for 0 to 150 gallons from an approved Licensed Hauler servicing the Township only.
- \$52.50 for 2,000 to 2,500 gallons from an approved Licensed Hauler servicing the Township only.
- \$84.00 for 2,501 to 4,000 gallons from an approved Licensed Hauler servicing the Township only.

E. Service Area of Septage Receiving Station

- The service area is restricted to Bridgeport Charter Township residents only.

F. Other Conditions:

- The WWTP receiving the septage has more than enough hydraulic and treatment capacity as shown below:
 - Average Design Flow: 3.4 MGD
 - Peak Flow: 11.0 MGD
 - Minimum Flow: 1.0 MGD
 - Current Average Flow: 1.2 MGD

- Volume of Septage received: An average of approximately 2,500 gallons or less of septage is received on a weekly basis. Peak septage volume accepted is 6,000 gallons per day and no more than 10,000 gallons per week.
- Septage Quality: Only pH is tested prior to acceptance and septage must be in pH range of 6 to 9 to be acceptable. Odor is not an issue as it is pumped to and held in a closed tank at the receiving station.

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**Notice of Proposed Septage Operating Plan
Bridgeport Charter Township Wastewater Treatment Plant
Bridgeport, MI**

The Bridgeport Charter Township Wastewater Treatment Plant (WWTP) is currently receiving domestic septage waste, and will continue to receive domestic septage waste for treatment in order to serve Bridgeport Charter Township residents.

A copy of the proposed operating plan is available for review during normal business hours at the Bridgeport Charter Township WWTP, 4640 Marlea Lane, Bridgeport, MI.

Written comments on the proposed operation of the receiving facility shall be received for 30 days following the publication of this notice. Address all written comments to Ed Carstens, Bridgeport Charter Township WWTP, 6206 Dixie Highway, Bridgeport, MI 48722.

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JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



STEVEN E. CHESTER
DIRECTOR

June 9, 2005

AUG 24 2005

WATER BUREAU
DIVISION

TO: Septage Receiving Facility Operators
Treating Septage Waste

FROM: Matthew Campbell, Septage Waste Program Coordinator
Drinking Water and Environmental Health Section
Lansing Operations Division
Water Bureau

Matt

SUBJECT: DEQ Septage Receiving Facility
Operating Plan Requirements

Your wastewater treatment plant (WWTP) has been identified as one that accepts domestic septage for treatment. Your capacity to provide this very important service plays an integral role in protecting the public health and environment of Michigan. The amendments to the Septage Waste Servicers law and continued growth in the total number of on-site wastewater treatment systems are expected to increase the need for septage receiving facilities. Domestic septage includes liquid or solid material removed from a septic tank, cesspool, portable toilet, type III marine sanitation device, or similar storage or treatment works that receives only domestic sewage. Wastewater treatment plants accepting domestic septage are now defined as a "receiving facility" in the recently amended septage law.

A memo was sent to you by the Department of Environmental Quality (DEQ) on October 28, 2004, to inform you that House Bill 5771 and 5772 were signed into law on October 12, 2004, by Governor Jennifer M. Granholm. The Bills amend Part 117, Septage Waste Servicers, of the Natural Resources and Environmental Protection Act, 1994 PA 451. Part 117 regulates the pumping, disposal, and land application of septage waste.

Receiving facilities, both private and public wastewater treatment plants that accept septage waste for treatment, are required to develop and submit operating plans to the DEQ for review. Please note that this is different than an operation and maintenance manual. Existing receiving facilities have until October 12, 2005, to submit their operating plans to the DEQ for review and approval to maintain compliance under Part 117.

The basic Operating Plan includes the following:

- location of the septage receiving facility
- hours of operation
- categories of septage waste your receiving facility will accept
- fee structure charged to the hauler to dispose of septage for treatment
- service area of your septage receiving facility

Septage Receiving Facility
Operating Plan

June 9, 2005

- any other conditions for receiving septage waste established by the receiving facility

Conditions regarding septage acceptance at your wastewater treatment plant may include receiving facility capacity (hydraulic and organic), volume of septage received, odor control, and other information required under Part 41, Sewerage Systems, of the Natural Resources and Environmental Protection Act, 1994 PA 451.

We must also advise you of the requirement to provide public notification before you submit your operating plan to the DEQ for review and approval, pursuant to section 11715b of Part 117. For more details on this requirement, please see item 1 on pages 2 and 3.

We hope that you decide to continue to accept septage waste for treatment. If so, please fill out and submit the attached information to the address listed below. This is the basic information that must be contained in your Operating Plan as mandated by Part 117. The DEQ will review your Operating Plan, and when we determine that it is complete, we will approve your receiving facility for continued septage acceptance and treatment.

We request that your Operating Plan be submitted by September 1, 2005, so we may have time to review and approve it by the October 12, 2005, deadline. Doing this will ensure that you may continue the acceptance of septage at your receiving facility. The DEQ will post the approved operating plans on the DEQ Septage Program website.

BRIDGEPORT Charter Township Wastewater Treatment Plant
Name of receiving facility (wastewater treatment plant)

Ed CARSTENS8/16/05

Name of Superintendent/Chief Operator of receiving facility

Date

☐ Check this box if domestic septage is not accepted at your receiving facility (WWTP) and mail back to the address listed below.

1. If you plan to continue receiving septage waste for treatment at your receiving facility you are required to do the following (see Sec. 11715b. of Part 117) before submitting your proposed operating plan to the DEQ for review and approval:

(a) Publish notice of the proposed operating plan in a newspaper of general circulation in the area where the receiving facility is located.

(b) If the person maintains a website, post notice of the proposed operating plan on its website.

Septage Receiving Facility
Operating Plan

June 9, 2005

(c) Submit notice of the proposed operating plan by first-class mail to the county health department and the legislative body of each city, village, and township located in whole or in part within the service area of the wastewater treatment plant to which the receiving facility is connected.

Notice of a proposed operating plan shall contain all of the following:

(a) A statement that the receiving facility proposes to receive or, is currently receiving septage waste, and will continue to receive septage waste for treatment.

(b) A copy of the proposed operating plan or a statement where the operating plan is available for review during normal business hours.

(c) A request for written comments on the proposed operation of the receiving facility and the deadline for receipt of such comments, which shall be not less than 30 days after publication, posting, or mailing of the notice.

The following information is needed in your Operating Plan submittal to the DEQ for review and approval:

2. The category of septage waste that your receiving facility will accept for treatment. The categories are described below:

Domestic septage – the septage pumped from home septic tanks, recreational vehicles (RV), cesspool, portable toilet, type III marine sanitation device, or similar storage or treatment works that receives only domestic sewage.

Domestic treatment plant septage (solids) – means biosolids generated during the treatment of domestic sewage in a treatment works and transported to a receiving facility or managed in accordance with a residuals management program approved by the department.

Food establishment septage – material pumped from a grease interceptor, grease trap, or other appurtenance used to retain grease or other fatty substances contained in restaurant wastes and that is blended into a uniform mixture, consisting of not more than 1 part of that restaurant-derived material per 3 parts of domestic septage, prior to land application or disposed of at a receiving facility.

3. Receiving facility capacity. Include both available hydraulic (gallons per day) and organic capacity (pounds per day of 5-day biochemical oxygen demand) for septage waste. Include the current approximate daily average and peak daily flow in gallons per day of septage received at the facility.

4. Include a detailed description of your receiving facility service area. This is the territory for which your receiving facility has the capacity and is available to receive and treat septage waste. Please keep in mind that your receiving facility is subject to the following:

Septage Receiving Facility
Operating Plan

June 9, 2005

- The service area can be up to 15 radial miles from the receiving facility beginning October 12, 2005, through October 12, 2010.
- On October 12, 2010, the receiving facility's service area can be as large as 25 radial miles from the center of the plant.

If the above referenced service areas exceed the ability of the receiving facility to treat septage waste, the receiving facility can define their own service area as long as it does not exceed the limits imposed by Part 117 (Sec. 11701 (s)(i)(ii)).

5. List the hours of operation for receiving septage waste at your receiving facility.
6. List any other conditions for receiving septage waste established by the receiving facility (for example, maximum daily septage volume allowed based on the receiving facility maximum allowable headworks loading, or potential adverse effects on the WWTP, odor control procedures, pertinent procedures from operation manuals, etc.).

If you need assistance with or have any questions regarding your Operating Plan, please call Mr. Matt Campbell, at 517-335-4178. Please return the completed forms to the address below:

Matt Campbell
Septage Waste Program Coordinator
Water Bureau
Department of Environmental Quality
Constitution Hall, Second Floor – North
P.O. Box 30273
Lansing, MI 48909-7773

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